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Information Systems Board Meeting

Date: ~~18 June 1986~~
1300 - 1430 Hours
Place: 7D64 HDQS

Agenda

25X1

Briefing on the Corporate Data Program by
(Chief, Management Information Systems Group, OIT)

Next Meeting: Comptroller Review of FY 1987-89 Budget
Wednesday, 9 July 1986
Room 7D64

~~CONFIDENTIAL~~

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Corporate Systems Development
Evolution To A Corporate Data Environment

Presented on 18 June 1986

by C/MISG/OIT

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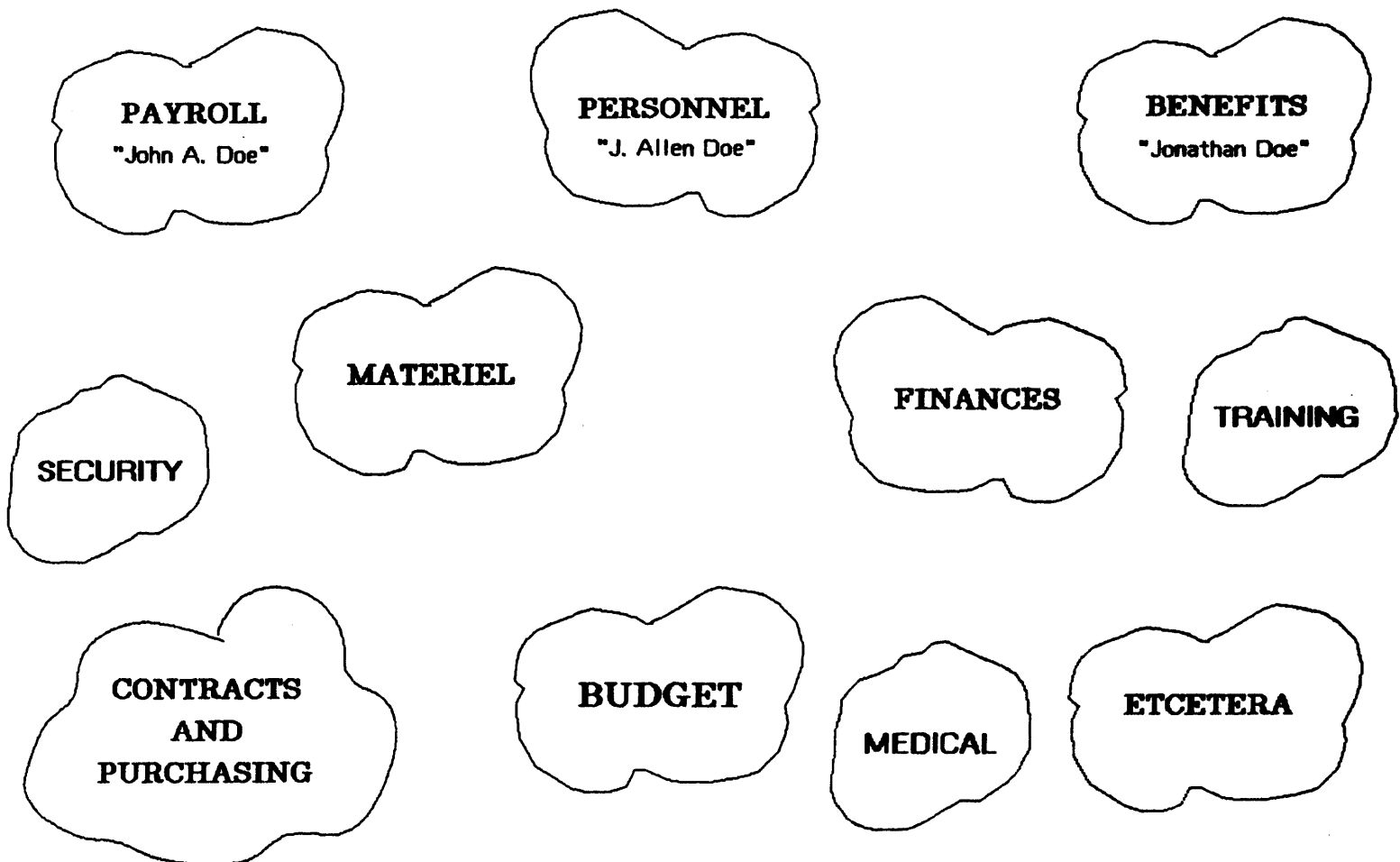
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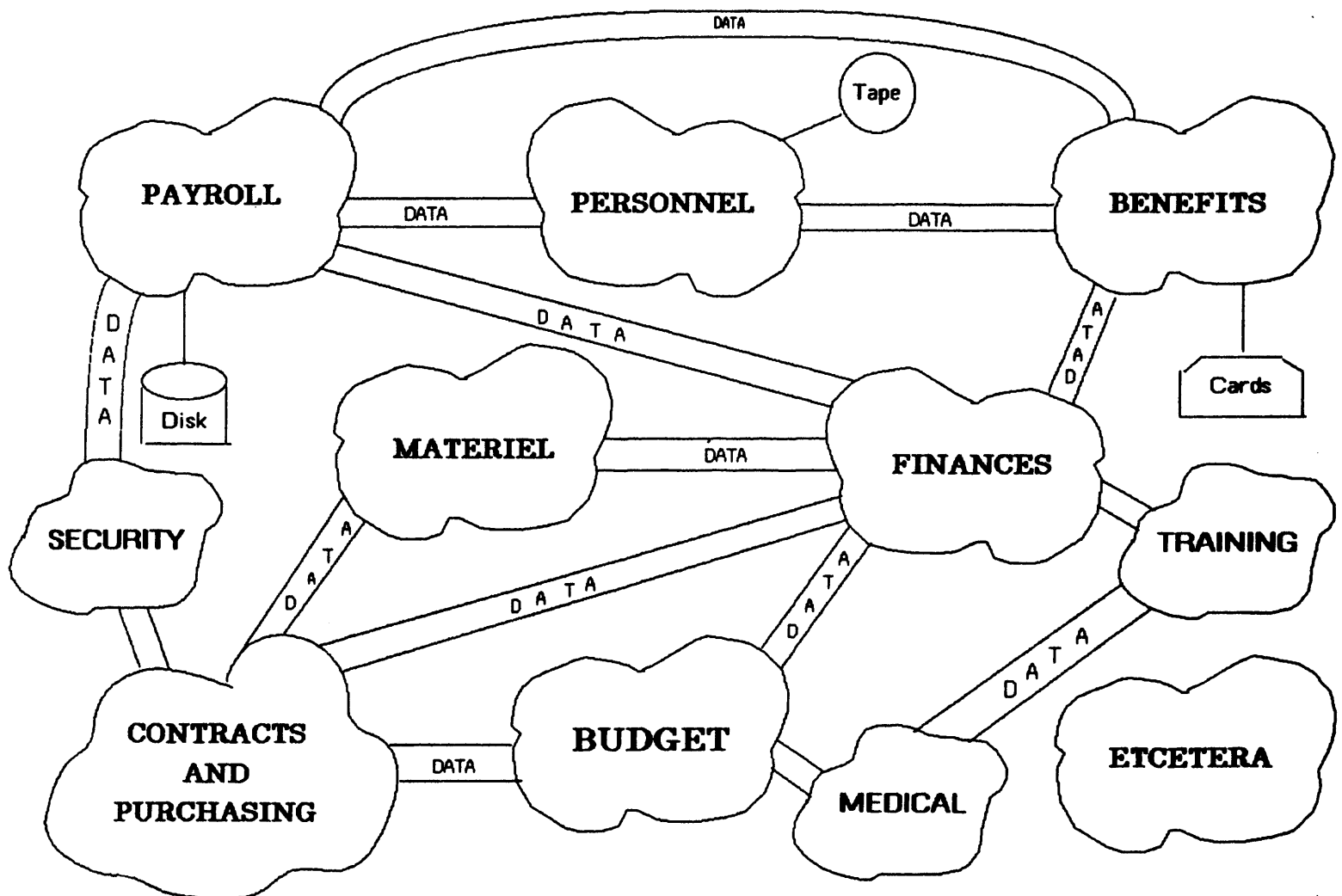
TOPICS

- > WHERE WE HAVE BEEN BEFORE THE CORPORATE PROGRAM**
- > EFFORTS IN BUILDING A CORPORATE DATA ENVIRONMENT**
- > OVERVIEW OF DEVELOPMENTAL PROGRAMS**
- > ISSUES AND CONCERNS**

STAGE 1: A SEA OF SEPARATE SYSTEMS (Early 1970's)



STAGE 2: BUILDING THE BRIDGES (Late 1970's to the early 1980's)



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TODAY'S CORPORATE SYSTEMS

<u>SYSTEM</u>	<u>DESCRIPTION</u>	<u>CIRCA</u>
PAYROLL	Bi—weekly Payroll System	MAY 1973
SPECPAY	Special Payroll (4—week, monthly, special) System	FEB 1980
HRS2	Human Resources System (personnel, benefits, and training)	MAR 1980
CONIF	Contract Information System	MAR 1972
ICS	Inventory Control System	OCT 1975
GAS	General Accounting System	OCT 1976
FRS	Financial Resources System	OCT 1972
BRS	Budget Ranking System	APR 1982
CAPER	Case Processing (for applicants) System	DEC 1979
SIMS	Security Information Management System	JUL 1985
CLINSTAT	Clinical Statistical System	OCT 1976

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PROBLEMS WITH CURRENT ENVIRONMENT

- > DATA SYNCRHONIZATION PROBLEMS AND DUPLICATION LEAD TO
INCORRECT/INCONSISTENT INFORMATION**
- > INCOMPATIBLE DATA FORMATS AND MEDIA MAKE IT
DIFFICULT TO INTEGRATE INFORMATION**
- > COST OF MAINTENANCE AND ENHANCEMENTS
GROWS CONTINUALLY**
- > ABILITY TO COMBINE INFORMATION ACROSS SUBJECT AREAS
IS LIMITED, AND OFTEN INFLEXIBLE**
- > MUCH DATA IS STORED, BUT LITTLE IS READILY AVAILABLE**
- > CURRENT ARCHITECTURE IS OBSOLETE, AND OUT OF PHASE
WITH INDUSTRY STANDARDS**
- > NEW DEVELOPMENT IS SLOWED BY A LACK OF GOOD TOOLS**

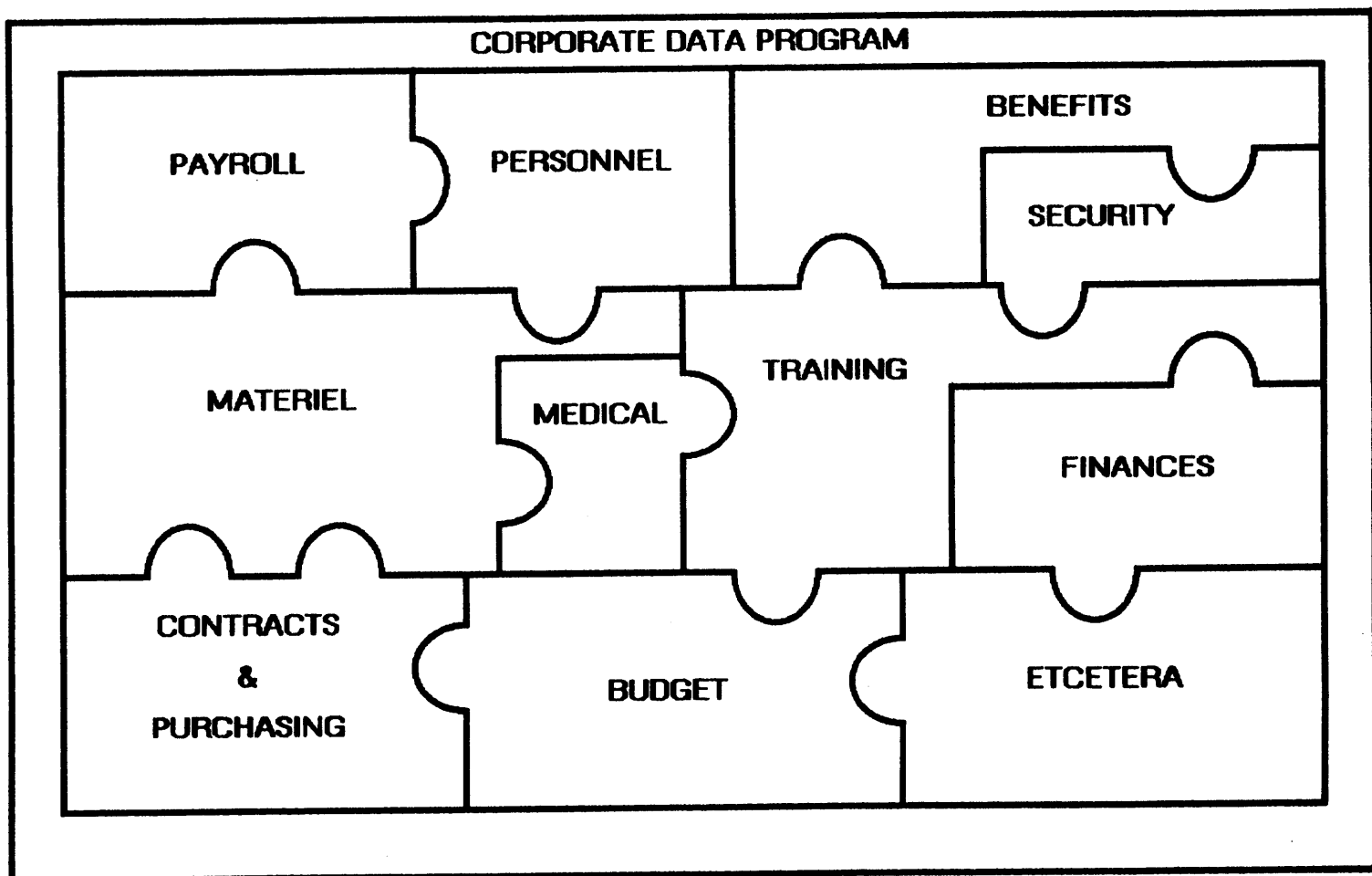
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SOLUTION

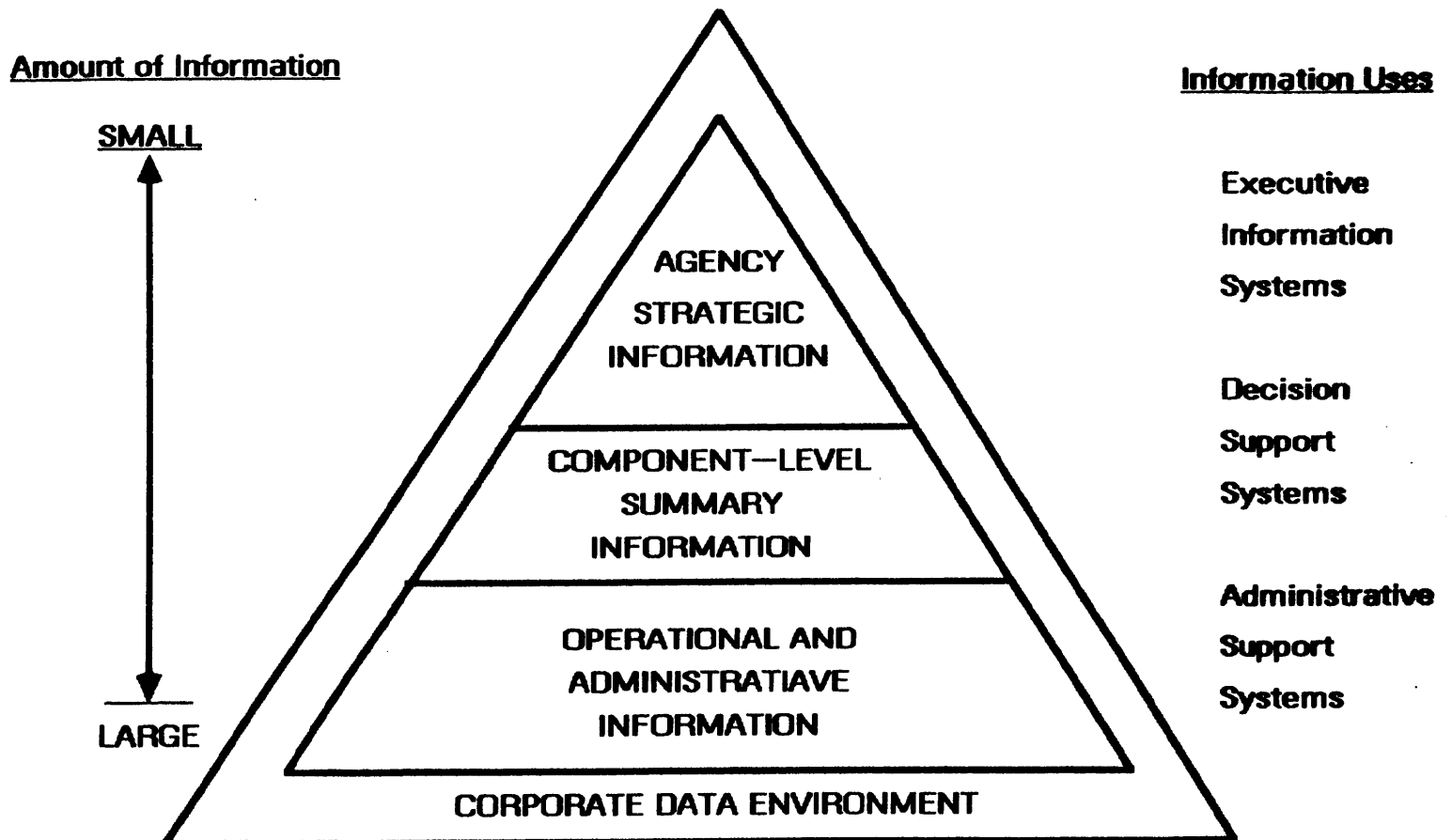
**ESTABLISH A CORPORATE DATA PROGRAM
TO IMPROVE THE AGENCY'S ADMINISTRATIVE
SYSTEMS ENVIRONMENT**

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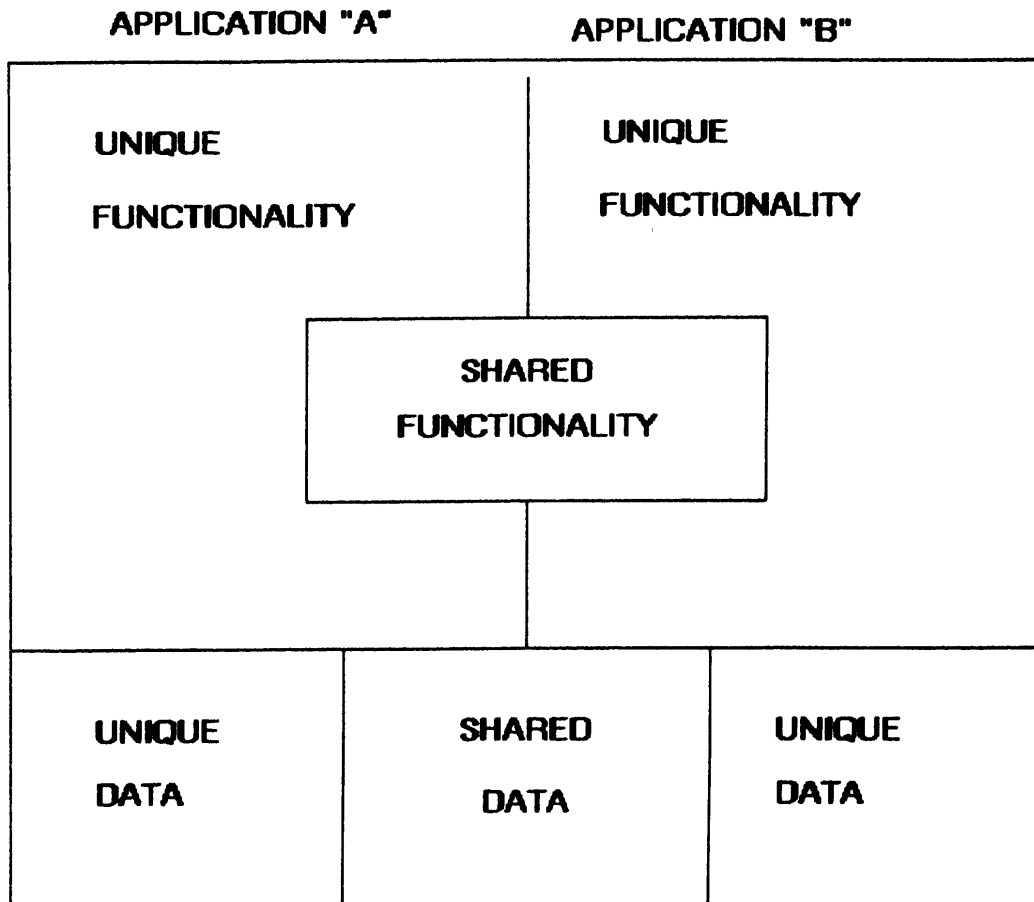
STAGE 3: INTEGRATION OF INFORMATION AND PROCESSING
(LATE 80'S — EARLY 90'S)



AGENCY CORPORATE SYSTEMS



INTEGRATION AND DATA SHARING

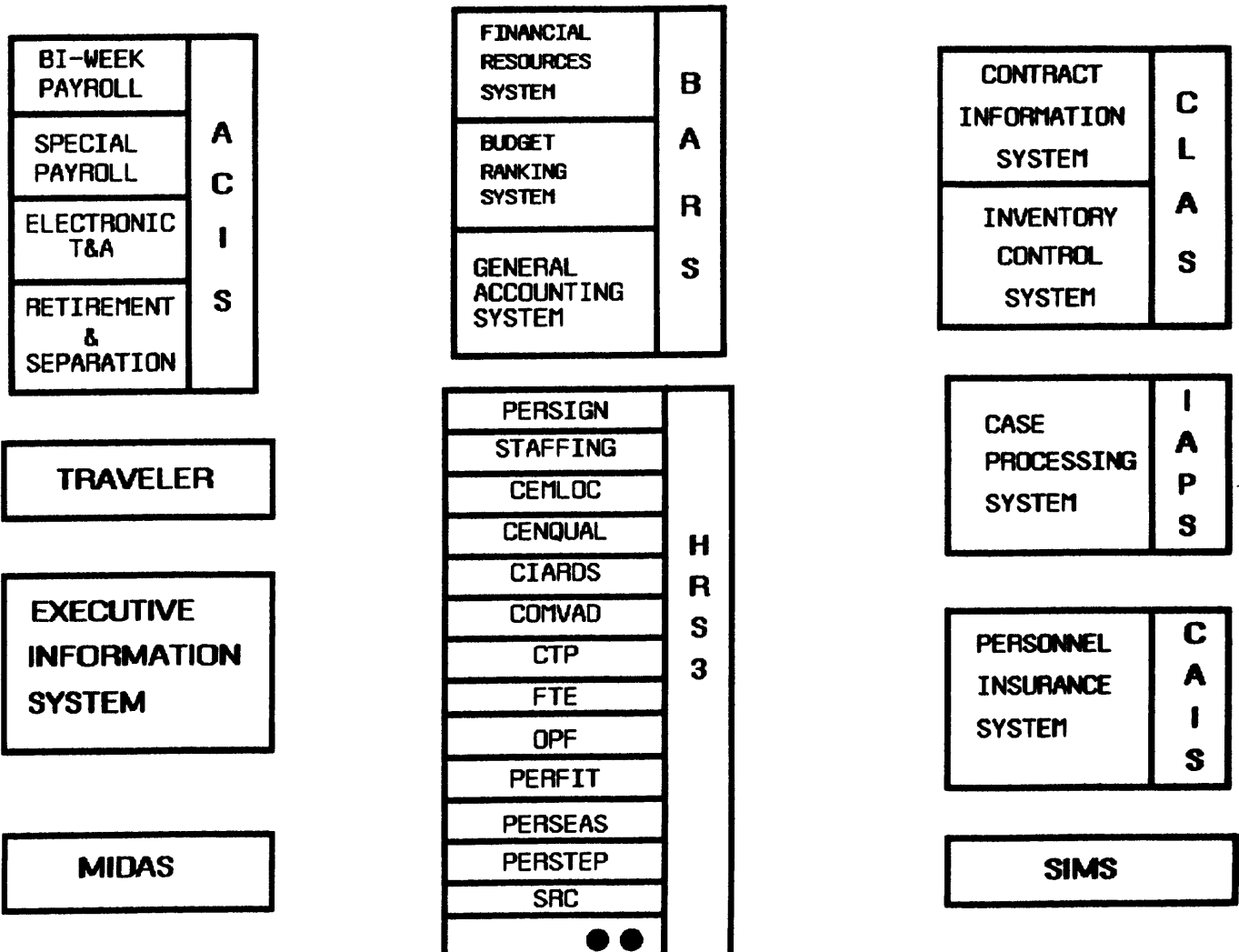


THE CONCEPTS OF A CORPORATE DATABASE

- **Use a single, common data environment for all corporate systems**
- **Share — rather than replicate — data**
- **Treat corporate information as an Agency resource**
- **Maximize the availability of information to authorized components**
- **Standardize data formats and media**
- **Quicken development of corporate systems**
- **Reduce future ADP maintenance and enhancements costs**
- **Enhance the integrity, timeliness, consistency, and security of Agency Administrative information**
- **Decentralize information access and processing to Agency components:**
 - **Remove all technical barriers to access**
 - **Only management and political barriers remain**

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TRANSITION TO A CORPORATE ENVIRONMENT



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ISSUES



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ISSUE: WHO IS THE REAL CUSTOMER?

Agency Functions

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Human Resource Management	Travel	Contracts & Purchasing	Budget Planning
<u>O/PERS</u> Personnel Insurance Benefits	<u>O/PERS</u> Travel Order Processing Travel Arrangements	<u>O/LOG</u> Contracts Procurement Receiving	<u>O/COMP</u> Agency—level review & approval
<u>O/FIN</u> Payroll Retirement Accounting	<u>O/FIN</u> Travel Voucher Processing Travel Audit Accounting	<u>O/FIN</u> Payment Accounting Audit	<u>O/FIN</u> Office—level B&F Support

IMMEDIATE PLANS

ACIS

- AUTOMATE ELECTRONIC T&A PROCESSING (JULY 1986)
- AUTOMATE RETIREMENT AND SEPARATION PROCESSING (MAY 1986)
- DELIVER PAYROLL INQUIRY DATABASE (JULY 1986)

BARS

- BUILD OFFICE-LEVEL BUDGET FORMULATION PROTOTYPE (JUN 1986)
- BUILD AGENCY BUDGET FORMULATION AND RANKING PROTOTYPES (SEP 1986)
- COMPLETE GENERAL LEDGER EVALUATION AND ENHANCEMENT (NOV 1986)

CLAS

- COMPLETE TECHNICAL & FUNCTIONAL EVALUATION OF 3 MSA PACKAGES (SEP 1986)

HRS3

- COMPLETE HRS INQUIRY DATABASE EFFORT (DEC 1986)

IAPS

- COMPLETE AND DELIVER RECRUITER APPLICANT PROCESSING SYSTEM (DEC 1986)
- COMPLETE REPLACEMENT FOR CAPER SYSTEM (JUN 1986)

MAJOR MILESTONES

- ARESS IOC — MAY 1986
- ELECTAS IOC — JULY 1986
- CAPS IOC — JUN 1986
- CLAS MSA EVALUATION COMPLETE — SEP 1986
- RAPS IOC — DEC 1986
- BARS OBF IOC — JAN 1987
- BARS ABF IOC — JAN 1987
- BARS ABE IOC — OCT 1988

Implications for the Agency

- **More Timely Data = More Timely Decisions**
- **Decentralizes Administrative Functions to Components**
- **Reduces need for Centralized Role of OF, OP, OL**
- **Reduces paperwork and inherent delays**
- **Provides a Framework for Automating Tedious Manual Procedures/Practices**
- **Could provide opportunity to reallocate positions**